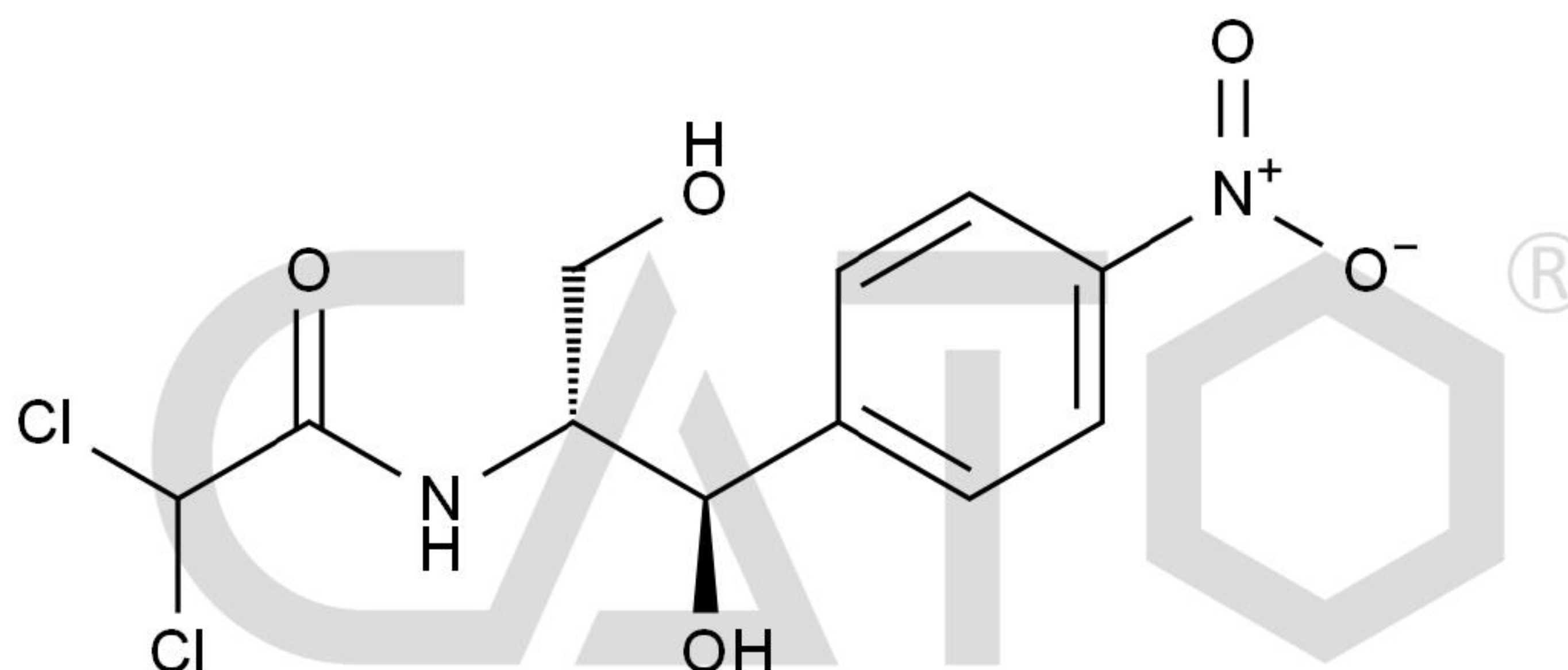


Certificate of Analysis

Reference Material & Standard

Product Name:	Chloramphenicol	Catalogue Number:	CCAD300125
Synonyms:	N/A	Lot Number:	0831-RH-0022
CAS Number:	56-75-7	Expiry Date:	Sep 02, 2030
Molecular Formula:	C ₁₁ H ₁₂ Cl ₂ N ₂ O ₅	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	323.13	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.530%
Residue on Ignition	TGA	0.3068%
Loss on Drying	TGA	0.0069%
Assay		99.2%
Uncertainty		±0.1%

Comment:

- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.
- The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Nice

Reviewed by:

Lisa

Approved by General Manager:

David



Date: Sep 03, 2026

Date: Sep 03, 2026

Date: Sep 03, 2026

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